

(1) GENERAL INFORMATION:

5 (i) APPLICANT: Kim, Yesook
Lambert, William J.
Qi, Hong
Gelfand, Robert A.
Geoghegan, Kieran F.
Danley, Dennis E.

10 (ii) TITLE OF INVENTION: Prolonged Delivery of Peptides

(iii) NUMBER OF SEQUENCES: 7

15 (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Pfizer Inc
(B) STREET: 235 East 42nd Street, 20th Floor
(C) CITY: New York
(D) STATE: New York
20 (E) COUNTRY: U.S.A.
(F) ZIP: 10017-5755

(v) COMPUTER READABLE FORM:
25 (A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

30 (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

35 (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Sheyka, Robert F.
(B) REGISTRATION NUMBER: 31,304
(C) REFERENCE/DOCKET NUMBER: PC8391

40 (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (212)573-1189
(B) TELEFAX: (212)573-1939
(C) TELEX: N/A

45 (2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 37 amino acids
(B) TYPE: amino acid
50 (C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

55 (iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: N-terminal

60 (vi) ORIGINAL SOURCE:
(A) ORGANISM: N/A
(B) STRAIN: N/A
(C) INDIVIDUAL ISOLATE: N/A
(E) HAPLOTYPE: N/A

(vii) IMMEDIATE SOURCE:
(A) LIBRARY: N/A
(B) CLONE: N/A

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu
20 25 30

(2) INFORMATION FOR SEQ ID NO:2:

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

35 (iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: N-terminal

40 (vi) ORIGINAL SOURCE:
(A) ORGANISM: N/A
(B) STRAIN: N/A
(C) INDIVIDUAL ISOLATE: N/A
(E) HAPLOTYPE: N/A
(H) CELL LINE: N/A

(vii) IMMEDIATE SOURCE:
(A) LIBRARY: N/A
(B) CLONE: N/A

50 (viii) POSITION IN GENOME:
(A) CHROMOSOME/SEGMENT: N/A
(B) MAP POSITION: N/A
(C) UNITS: N/A

55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

60 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly
 20 25 30

(2) INFORMATION FOR SEQ ID NO:3:

5 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 30 amino acids
 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

10 (ii) MOLECULE TYPE: peptide
 (iii) HYPOTHETICAL: NO
 (iv) ANTI-SENSE: NO

15 (v) FRAGMENT TYPE: N-terminal
 (vi) ORIGINAL SOURCE:
 (A) ORGANISM: N/A
 (B) STRAIN: N/A
 20 (C) INDIVIDUAL ISOLATE: N/A
 (E) HAPLOTYPE: N/A
 (H) CELL LINE: N/A

25 (vii) IMMEDIATE SOURCE:
 (A) LIBRARY: N/A
 (B) CLONE: N/A

30 (viii) POSITION IN GENOME:
 (A) CHROMOSOME/SEGMENT: N/A
 (B) MAP POSITION: N/A
 (C) UNITS: N/A

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

35 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 1 5 10 15
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
 20 25 30

(2) INFORMATION FOR SEQ ID NO:4:

45 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 29 amino acids
 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

50 (ii) MOLECULE TYPE: peptide
 (iii) HYPOTHETICAL: NO
 (iv) ANTI-SENSE: NO

55 (v) FRAGMENT TYPE: N-terminal
 (vi) ORIGINAL SOURCE:
 (A) ORGANISM: N/A
 (B) STRAIN: N/A
 60 (C) INDIVIDUAL ISOLATE: N/A
 (E) HAPLOTYPE: N/A
 (H) CELL LINE: N/A

TOPSECRET

(vii) IMMEDIATE SOURCE:
 (A) LIBRARY: N/A
 (B) CLONE: N/A

5 (viii) POSITION IN GENOME:
 (A) CHROMOSOME/SEGMENT: N/A
 (B) MAP POSITION: N/A

10 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 1 5 10 15
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly
 20 25

(2) INFORMATION FOR SEQ ID NO:5:

20 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 28 amino acids
 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

25 (ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

30 (iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: N-terminal

(vi) ORIGINAL SOURCE:
 (A) ORGANISM: N/A
 (B) STRAIN: N/A
 (C) INDIVIDUAL ISOLATE: N/A
 (E) HAPLOTYPE: N/A
 (H) CELL LINE: N/A

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40 (vii) IMMEDIATE SOURCE:
 (A) LIBRARY: N/A
 (B) CLONE: N/A

45 (viii) POSITION IN GENOME:
 (A) CHROMOSOME/SEGMENT: N/A
 (B) MAP POSITION: N/A

50 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 1 5 10 15
 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys
 20 25

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(2) INFORMATION FOR SEQ ID NO:6:

60 (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 36 amino acids
 (B) TYPE: amino acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

TOP SECRET - FRODO BAGGINS

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

5 (iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: N-terminal

(vi) ORIGINAL SOURCE:

10 (A) ORGANISM: N/A

(B) STRAIN: N/A

(C) INDIVIDUAL ISOLATE: N/A

(E) HAPLOTYPE: N/A

15 (H) CELL LINE: N/A

(vii) IMMEDIATE SOURCE:

(A) LIBRARY: N/A

(B) CLONE: N/A

20 (viii) POSITION IN GENOME:

(A) CHROMOSOME/SEGMENT: N/A

(B) MAP POSITION: N/A

25 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

His Asp Glu Phe Glu Arg His Ala Glu Gly Thr Phe Thr Ser Asp Val

1 5 10 15

30 Ser Ser Tyr Leu Glu Gly Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu

20 25 30

Val Lys Gly Arg

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(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

40 (A) LENGTH: 27 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

45 (iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

50 (v) FRAGMENT TYPE: N-terminal

(vi) ORIGINAL SOURCE:

(A) ORGANISM: N/A

(B) STRAIN: N/A

55 (C) INDIVIDUAL ISOLATE: N/A

(E) HAPLOTYPE: N/A

(H) CELL LINE: N/A

(vii) IMMEDIATE SOURCE:

60 (A) LIBRARY: N/A

(B) CLONE: N/A

101E80-130E7600

(viii) POSITION IN GENOME:
(A) CHROMOSOME/SEGMENT: N/A
(B) MAP POSITION: N/A

(B) MAP POSITION: N/A

(B) MAP POSITION: N/A

5 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
1 5 10 15

10 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val
 20 25

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